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Application Note

Identification of technical analysis patterns with smoothing splines for bitcoin prices

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ABSTRACT

This research studies automatic price pattern search procedure for bitcoin

cryptocurrencies. A new automatic price pattern search procedure for bitcoin is proposed

based on the smoothing splines method. The proposed method is able to investigate some

well-known technical analysis patterns and propose a strategy to

evaluate the performance of the smoothing splines method.

for identification of technical analysis patterns. The results show that the smoothing splines

method is able to identify technical analysis patterns with certain

accuracy. The results also show that the smoothing splines method is able to

identify technical analysis patterns with certain accuracy.

KEYWORDS: technical analysis; smoothing splines; bitcoin; price pattern search

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